

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	17	("1435873"   "1720820"   "3678790"   "4183270"   "4614469"   "4661029"   "4682521"   "5405155"   "5417131"   "5975817"   "5988960"   "6076441"   "D370019").PN. OR ("6796207").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 13:19
L3	18	("20020094245"   "20040162312"   "4512689"   "5354156"   "5536119"   "5846954"   "5931613"   "6065938"   "6146060"   "6273650"   "6312199"   "6409435"   "6439851"   "6443672"   "6471448"   "6708590"   "6736574"   "6796207").PN. OR ("7063487").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 13:19
L4	1069	(cut\$4 and (screw or bolt or fasten\$3) and (plug\$4 or seal\$3)).clm.	US-PGPUB	OR	ON	2006/08/02 13:20
L5	72	(cut\$4 and (screw or bolt or fasten\$3) and (plug\$4 or seal\$3) and socket).clm.	US-PGPUB	OR	ON	2006/08/02 13:20
S1	1128	407/46,34,40,101.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 16:40
S2	7	S1 and resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 15:44
S3	26	S1 and screw and seal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 15:44
S5	39	S4 and wrench same socket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 16:01
S6	17	("2949662"   "3015241"   "3156031"   "3376771"   "3568283"   "3704958"   "3811162"   "4080854"   "4945793"   "5737984"   "5833403"   "5961259").PN. OR ("6273649").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:21

## EAST Search History

S7	11	("3359612"   "3839772"   "3847555"   "3946475"   "4264245"   "4995767").PN. OR ("5868529").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:30
S8	14	("1951101"   "4801224"   "4922977"   "5395186"   "5454671").PN. OR ("5800079").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:33
S9	59	S4 and cartridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 16:40
S10	26	("2659962"   "3492709"   "3611527"   "3623201"   "3792517"   "3839772"   "4164380"   "4330227"   "4932813").PN. OR ("5102268").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:41
S11	25	("1197136"   "1719337"   "1884158"   "1964130"   "2037642"   "2306798"   "2501293"   "3214825"   "3501822"   "5102268"   "5529439"   "5667343"   "Re21068").PN. OR ("6086290").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 16:44
S12	13	("2501293"   "3847555"   "4040156"   "4330227"   "5102268").PN. OR ("5667343").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:22
S13	1742	insert and wrench and socket and seal\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:22
S14	168	insert and wrench adj socket and seal\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:22
S15	9	insert and wrench adj socket and seal\$3 and cartridge	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:24
S16	9	insert and wrench adj socket and seal\$3 and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:47
S17	503	screw near resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:49
S18	74	screw near resin and insert	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:47
S19	2	screw near resin same socket	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:52

## EAST Search History

S20	0	screw near resin and wrench adj socket	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:53
S21	2	screw near resin and wrench and socket	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:53
S22	183	screw near rough\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 17:54
S23	27	screw near rough\$5 and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:05
S24	32439	screw and socket and seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:05
S25	12607	screw and socket and fill\$4 and seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:05
S26	3858	screw and socket and fill\$4 and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:05
S27	1865	screw and wrench and reception and socket	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:06
S28	66	screw and wrench and reception and socket and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:11
S29	445	screw and wrench and reception and socket and seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:12
S30	35	screw and wrench and reception and socket and seal and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:13
S31	415	411/369,514.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:13
S32	173	S31 and seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/07 18:13
S33	27	S31 and seal and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:35
S34	2	("5667343").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/07 18:20

## EAST Search History

S35	1	S34 and diamond	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/08 09:58
S36	0	S34 and diamond and alum\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 18:21
S37	0	S34 and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 18:21
S38	0	S34 and material	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/07 18:21
S39	2	("5667343").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/08 10:16
S40	0	S39 and speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/08 10:16
S41	0	S39 and rpm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/08 10:17
S42	1	S39 and height	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/08 10:17
S43	755	411/910,292,410.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 12:56
S44	3	S43 and seal same resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 12:58

## EAST Search History

S45	2020395	S43 and bolt and seal resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 12:58
S46	18	S43 and bolt and resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:32
S47	4	S43 and bolt and roughen\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 13:04
S48	1	S43 and bolt and roughen\$4 and tamper\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 13:04
S49	755	411/910,292,410.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/09 14:32
S50	1	S49 and bolt and resin and rough\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:39
S51	1	S49 and bolt and resin and rough\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:26
S52	0	S49 and bolt and resin and rough\$4 and tamper\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:31
S53	0	("6634842anddeform\$4").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/10 10:27
S54	2	("6634842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/10 10:27

## EAST Search History

S55	1	S54 and deform\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:29
S56	0	S54 and narrow\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:30
S57	1	S54 and open\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:30
S58	755	411/910,292,410.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:17
S59	18	S58 and bolt and tamper\$4 and deform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:23
S60	7	S58 and screw and socket and tamper\$4 and deform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:47
S61	7	S58 and screw and socket and rough\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:53
S62	4	S58 and screw and inner and wall and socket and rough\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:18
S63	1067	411/376,377,372.6,910,292,410.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:17
S64	5	S63 and screw and inner and wall and socket and rough\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:19

## EAST Search History

S65	13	S63 and screw and inner and wall and socket and tamper\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:20
S66	20	S63 and bolt and tamper\$4 and deform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:25
S67	7	S63 and screw and socket and tamper\$4 and deform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:26
S68	0	S63 and screw and tamper\$4 and socket near grind\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:27
S69	0	S63 and screw and tamper\$4 and socket same grind\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:27
S70	0	S63 and screw and tamper\$4 and inner adj socket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:27
S71	89	S63 and screw and tamper\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:28
S72	26	S71 and socket and wrench	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:28
S73	3	S71 and socket and wrench and deform	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 11:28
S74	19	("0188540"   "0461523"   "0522287"   "1599068"   "1940455"   "2770998"   "2836451"   "3222976").PN. OR ("4237949").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/10 11:34

## EAST Search History

S75	2	("6634842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/10 11:35
S76	0	("6634842").URPN.	USPAT	OR	ON	2005/03/10 11:34
S77	4	("3065662"   "5950777"   "6302630").PN. OR ("6634842"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/10 11:35
S78	2	("5018921").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/10 14:41
S79	0	S78 and resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:43
S80	75497	"54" and resin and speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:43
S81	2	("6634842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/10 14:43
S82	0	S81 and resin and speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:43
S84	1437946	screw or fastener	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 14:21
S85	1268825	screw or fastener and socket	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 14:21
S86	20729	S85 and different near shape	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 14:24
S87	8635	S85 and different near shape and head	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 15:20

## EAST Search History

S88	2	("5667343").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/18 15:25
S89	9	("1050701").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/18 15:25
S90	417	411/369,514.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:35
S91	0	S90 and seal near resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:35
S92	2	S90 and seal with resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:41
S93	14	("3471158"   "3693495"   "4041834"   "4482278").PN. OR ("4887951"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:38
S94	1149	407/46,34,40,101.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 13:41
S95	0	S94 and seal with resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:41
S96	2	S90 and seal with resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:41
S97	27	S90 and seal and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 16:03
S98	1	S94 and seal and resin	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:43
S99	1	(bolt or screw or fastener) and socket near (seal and resin)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:43
S10 0	3810	(bolt or screw or fastener) and socket and (seal and resin)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 14:39
S10 1	92	(bolt or screw or fastener) near socket and (seal and resin)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:44

## EAST Search History

S10 2	66	(bolt or screw or fastener) near (socket and seal\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 14:57
S10 3	13	("3425313").URPN.	USPAT	OR	ON	2005/11/29 14:57
S10 4	47	(bolt or screw or fastener) and (socket near rough\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 14:58
S10 5	5	(bolt or screw or fastener) and (socket near rough\$4) and (innerwall or inner adj wall)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 15:41
S10 6	47	(bolt or screw or fastener) and (socket near rough\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 17:12
S10 7	16	(bolt or screw or fastener) and (socket near roughen\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 15:42
S10 8	18073	method and remov\$3 near resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 15:59
S10 9	2601	method with (remov\$3 near resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:00
S11 0	1435	method with (remov\$3 near resin) and heat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:12
S11 1	16	S97 and remov\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 16:03
S11 2	34140	heat\$4 near resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:13
S11 3	0	S90 and heat\$4 near resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:12

## EAST Search History

S11 4	0	S94 and heat\$4 near resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:12
S11 5	7	heat\$4 near (resin adj removal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:17
S11 6	21	heat\$4 near (resin with removal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 16:18
S11 7	1	("2146276").URPN.	USPAT	OR	ON	2005/11/29 16:21
S11 8	1	S94 and socket near roughen\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 17:13
S11 9	767	411/910,292,410.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/29 17:13
S12 0	0	S119 and socket near roughen\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 08:04
S12 1	22	socket near roughen\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 17:14
S12 2	767	411/910,292,410.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/12 08:04
S12 3	9	S122 and torx	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 08:04